



City of Harrisonburg, Virginia

MS4 Annual Report

For the VSMP General Permit Registration Statement for Small Municipal Separate Storm Sewer Systems (MS4)

Permit No. VAR04

Report Permit Year: July 1, 2008 through June 30, 2009

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1 Background

The City of Harrisonburg's MS4 Annual Report is required as part of the city's coverage under the Virginia General Permit for Discharges from Small Municipal Storm Sewer Systems.

The MS4 Program Plan details the City of Harrisonburg's comprehensive program to manage the quality of stormwater runoff discharged from the MS4 through the following six minimum control measures:

1. Public education and outreach on stormwater impacts
2. Public involvement and participation
3. Illicit discharge detection and elimination
4. Construction site stormwater runoff control
5. Post-construction runoff control for development and redevelopment
6. Good housekeeping and pollution prevention for municipal operations

The MS4 Program Plan was last submitted with revisions to the Virginia Department of Conservation & Recreation on January 23, 2009. Revisions to the MS4 Program Plan made as part of this Annual Report can be reviewed at www.harrisonburgva.gov/stormwater.

The MS4 Annual Report will include the status of the BMPs implemented as part of the MS4 Plan in the preceding year. The Annual Report is prepared by the Public Works' Public Works Planner in accordance with 4VAC50-60-1240, Section II.E.3 by October 1, 2009 of each year for the previous July 1 – June 30). Additional information on each BMP can be found in the MS4 Program Plan.

The MS4 Annual Report is submitted to:

Department of Conservation and Recreation
Division of Soil and Water Conservation
MS4 Stormwater Permitting
203 Governor Street, Suite 206
Richmond, Virginia 23219

Additionally, the deadline to submit a new Registration Statement for the following permit cycle is April 9, 2013.

1.1 Modifications to MS4 Program Plan

Changes that should be noted in the MS4 Program Plan include:

- Change in Stream Health Coordinator email contact: justin.showalter@harrisonburgva.gov
- Change Responsible Party from "Sanitation Superintendent" to "Solid Waste Operations Superintendent" and email contact: patelh@harrisonburgva.gov

- In the MS4 Program Plan, 3.6 BMP: Event Participation & Reaching Diverse Audiences, in schedule of activities, changed from “Create a program to better reach minority and low income populations” to “Create or participate in a program to better reach minority and low income populations.”
- In the MS4 Program Plan, modified schedule of activities for Section 6.3: Track All Known Permanent Stormwater Management Facilities. It was discovered that most of the city-owned facilities identified were south of Route 33. Therefore, we began inspecting facilities city-wide and removed the previous schedule of inspecting all known facilities north of Route 33 during Years 1 through 3.
- The Heritage Oaks Golf Course maintenance facility’s wash bay was identified during the site evaluation completed during this reporting cycle. Information about the wash bay was added to the MS4 Program Plan’s Section 7.1.3.
- Modified schedule of activities for MS4 Program Plan Section 7.1.8 Evaluate All Properties Owned/Operated to be in compliance with MS4 Regulations that states all properties should be evaluated by the end of Year 3.

The updated copy of the City of Harrisonburg’s MS4 Program Plan is available at www.harrisonburgva.gov/stormwater.

2 MCM 1 & 2: Public Education and Outreach and Public Involvement/ Participation

2.1 BMP: Soliciting Public Opinion through Promotion of MS4 Program Plan & Annual Report

General Description: The City of Harrisonburg will promote the availability of the City’s MS4 Program Plan for public review and comment. The public will be given the opportunity to review and make comment to the MS4 Program Plan and Annual Reports anytime during the permit cycle and revisions will be made as necessary.

Achievements This Year: The City continues to make available the MS4 Program Plan and Annual Reports on the City’s Stormwater website, www.harrisonburgva.gov/stormwater. The MS4 Program Plan was updated in January 2009 and again in September 2009. The most recent revision can be found online. The MS4 Annual Report will be posted on the same webpage once submitted to DCR.

No public comments regarding the MS4 Program Plan were received during this reporting period.

Schedule of Activities:

Activity	Schedule
Promote availability of MS4 Program Plan	Years 1 through 5
Consider public comments,	Years 1 through 5

inquiries, and participation	
Update MS4 Program Plan as needed	Years 1 through 5
Provide access to copies of the MS4 Annual Report to citizens upon request	Years 1 through 5

2.2 BMP: Clean Stream Campaign

General Description: The City of Harrisonburg will develop and support a multi-year “Clean Stream” campaign consisting of multiple related campaigns and a website.

Achievements This Year: “Doodie-Free Harrisonburg” – handbills, posters, and T-shirts – During this reporting period an additional 1500 handbills were printed, valued at \$475.

“Harrisonburg’s Best Tips for Yard Care” – booklets – were produced in 2008, funded through DCR’s Water Quality Improvement Fund (WQIF). Both these flyers, booklets, and other printed materials have been displayed and distributed at events such as Blacks Run/ Downtown CleanUp Day, the Harrisonburg International Festival, June 2009’s Rain barrel workshop, at the city’s Community Activities Center, Public Works Department, City Municipal Building, student field trips, etc.

Website: www.cleanstream.org – This website has been continually updated and added to by city staff and interns working with the City. Additional information on the Smith Creek watershed, on new CleanStream projects, the Shenandoah Valley Soil & Water Conservation District’s (SWCD) Septic Cost Share Program, and different types of stormwater BMP facilities have been added to the website during this reporting period.

The CleanStream campaign was also shared with attendees at the Shenandoah Valley SWCD’s stakeholders meeting on May 2009. Stakeholders were encouraged to utilize cleanstream.org as a community clearinghouse for local water quality information.

All of the materials mentioned in this section were displayed at events described in 2.6 BMP: Event Participation & Reaching Diverse Audiences.

Schedule of Activities:

Activity	Schedule
Continue contenting cleanstream.org	Years 1 through 5
Continue distributing and promoting “Doodie-Free Harrisonburg” campaign at public events and to those inquiring	Years 1 through 5

Continue promoting new Harrisonburg Best Tips for Yard Care	Years 1 through 2
Develop and promote new additional campaigns, TBD	Years 3 through 5
Continue to solicit participation from the community to promote the CleanStream campaign and contribute to the website	Years 1 through 5

2.3 BMP: General Public Brochures & Recreational Guides

General Description: City of Harrisonburg staff will develop and distribute brochures and fact sheets at events and through public inquiry.

Achievements This Year: City staff continued to distribute brochures, factsheets, etc at events and in response to public inquiries.

As part of the city's Purcell Park Stream Restoration project, the city developed, printed, and distributed to neighbors surrounding Purcell Park a newsletter which described the project and asked residents to contact the Parks & Recreation Department if they had any questions. Additionally, as part of the project, three (3) temporary project signs (4'x6') were erected at Purcell Park to also help educate visitors to the park. Four (4) permanent interpretive/educational signs are currently being developed by city and Canaan Valley Institute staff for installation in the park.

Schedule of Activities:

Activity	Schedule
Parks & Recreation Department to include stream health information into at least one issue of Community Activity Guide per year.	Years 1 through 5
Participate in development of new materials as opportunities become available.	Years 1 through 5
Continue to distribute and track number of each published material	Years 1 through 5

2.4 BMP: MS4 Stormwater Program Website

General Description: The City of Harrisonburg will maintain a website with information specifically on the City's MS4 Program and related Stormwater Management programs and issues.

Achievements The City of Harrisonburg's MS4 Stormwater Management Program

This Year: Website is continually updated as new information becomes available. The website can be accessed at www.harrisonburgva.gov/stormwater has been a source for local events and programs related to stormwater management and stream health. www.CleanStream.org is an alternative resource, and is updated more frequently with information.

Schedule of Activities:	Activity	Schedule
	Review website at minimum quarterly, and make appropriate updates.	Years 1 through 5

2.5 BMP: Pollution “Hotline”

General Description: The City of Harrisonburg will maintain and advertise the Public Works Department phone number as an avenue for residents to report illicit discharge and pollution issues. This number is (540) 434-5928.

Achievements This Year: The Public Works phone number has been advertised in a variety of media including CitySpan (local government access channel on TV), City’s web pages (www.CleanStream.org, www.harrisonburgva.gov/stormwater), on educational materials, and at public events.

Public Works has received several phone calls during this reporting period from concerned citizens. More details in 3.1BMP: Program to Detect and Eliminate Illicit Discharges.

Schedule of Activities:	Activity	Schedule
	Receive pollution reports from City staff and citizens and resolve them.	Years 1 through 5
	Track pollution reports with IDDE Program, Section 3.1BMP: Program to Detect and Eliminate Illicit Discharges.	Years 1 through 5

2.6 BMP: Event Participation & Reaching Diverse Audiences

General Description: City of Harrisonburg staff will attend appropriate community events to educate the community about stormwater and water quality issues and pollution prevention methods.

Achievements This Year: City staff have continued to participate in a number of educational opportunities and they included:

- National Nite Out (Aug 2008) – visited 7 neighborhoods and

distributed information and talked with neighbors.

- Rockingham County Fair's Green Tent (August 2008) – displayed for 5 days and had staff available for several hours each day.
- Harrisonburg International Festival (Sept 2009) – over 6,000 attendees,
- Blacks Run/Downtown CleanUp Day (April 2009) – over 300 volunteers.

July 2008 – Public Works Planner visited with the Spottswood Garden Club to discuss stormwater management and other local environmental issues.

February 2009 – Stream Health Coordinator visited with the Sherwood Garden Club to discuss stream health and other local environmental issues.

Please see 2.7BMP: Forming Partnerships for additional activities during this reporting period.

**Schedule
Activities:**

of

Activity	Schedule
Continue partnering with citizens, local organizations and businesses to provide volunteer opportunities	Years 1 through 5
Continue organizing and/or attending community events to educate citizens	Years 1 through 5
Create or participate in a program to better reach minority and low income populations	Year 3

Other: None

2.7 BMP: Forming Partnerships

**General
Description:**

The City of Harrisonburg maintains a high priority toward building working partnerships with regional government agencies and local civic organizations.

**Achievements
This Year:**

The City maintains active relationships with many agencies with respect to stormwater concerns, not limited to the following during this reporting period:

July 2008 – Stream Health Coordinator organized a field trip that brought 25 children from Camp Kaleidoscope (a camp for children in the foster care system) to three different events in the City of Harrisonburg. The volunteers from Camp Kaleidoscope picked up trash and weeded flowerbeds at Purcell Park, Liberty Park, and Westover Park. In return for their work, the kids were given free access to the city's Community Activities Center's pool for

a day.

August 2008 – The Stream Health Coordinator facilitated an Eagle Scout project involved tree planting in Hillandale Park and selected location's downtown. The Sunset Heights branch of Cooks Creek runs through Hillandale Park, and Blacks Run runs through downtown.

August 2008 - \$500 was awarded to the City from Shenandoah Resource Conservation & Development Council, and additional \$300 was awarded to the City the Friends of Blacks Run Greenway (as a match) to fund tree planting in the city on private business properties. Participating businesses had half of the tree planting expenses covered by the program. Some of the property owners awarded include: Parkview Mennonite Church, and Our Community Place.

Spring 2009 – Purcell Park Stream Restoration Project. This project has been in development for 5 years. Partners included the City of Harrisonburg, Canaan Valley Institute, Valley Conservation Council, Department of Conservation & Recreation, The Nature Conservancy, Army Corps of Engineers, and Friends of Blacks Run Greenway. Project construction began in March and was completed in May 2009. Heavy equipment was used to reshape the stream channel and banks and install 47 log and rock structures, 3,500 trees were planted in 13 acres upland in the project area, and over 2,000 live stakes were planted in the stream banks. 17.067 acres were placed under a conservation easement; easement held by Valley Conservation Council.

Fall 2008-Spring 2009 – City of Harrisonburg staff participated in the development of the Smith Creek Implementation Plan.

March 2009 – Tree Plantings behind Public Works & Public Utilities Departments. The grant was awarded by Cargill. Partners in the project included City of Harrisonburg, Pure Water Forum, Department of Forestry, and Cacapon Institute. Approximately 15 James Madison University students participated in planting. 250 seedlings were planted to enhance the stream buffer around Blacks Run.

April 2009 – Blacks Run/ Downtown CleanUp Day. See Section 2.9 BMP: Blacks Run/ Downtown CleanUp Day.

June 2009 - National Fish & Wildlife Foundation Grant: \$322K awarded to DCR and partners including City of Harrisonburg, Shenandoah Valley Soil & Water Conservation District, Virginia Department of Environmental Quality, James Madison University, Eastern Mennonite University, and Harrisonburg Redevelopment & Housing Authority.

June 2009 – Build Your Own Rain Barrel Workshops – DEQ grant awarded to the city for approximately \$3,000 for a citizen workshop. City staff organized the event with participation from DEQ and SWCD staff. The city

also provided in kind contributions which included staff time, tools, and workshop location. Participants listened to a presentation about local water quality issues prior to beginning the workshop. 100 rain barrels were constructed and distributed and approximately 65 citizens attended.

Throughout this reporting period the Stream Health Coordinator and Public Works Planner have worked with members of Friends of Blacks Run Greenway on the Harrisonburg Downtown Stream Walk project. To accompany the walking route (much along Blacks Run), educational signage is being developed by the group to highlight the importance and benefits of streams.

Additional information on each of these partnerships and projects is available at www.CleanStream.org.

Schedule of Activities: See other Related Activities

2.8 BMP: Educational Programs – K-12 and University Partnerships

General Description: Harrisonburg City staff will lead and participate in educational activities geared towards students K-12 within the local public school systems, private schools, and other local organizations. City staff and departments will also continue partnerships with local colleges to address stormwater and water quality issues through presentations, partnerships in projects and working groups, and providing student-volunteer opportunities.

Achievements This Year: The City of Harrisonburg has continued a strong partnership with the local school systems and community organizations through programs and projects mentioned above in 2.7 BMP: Forming Partnerships. Additional programs included:

October 2008 through December 2008– Stream Health Coordinator lead the Bridgewater College Environmental Group in fish and invertebrate sampling activities in Blacks Run.

November 2008 – Public Works planner visited a Environmental Health class at James Madison University and presented “Transportation & The Environment” during which stormwater management and low impact development were discussed.

November 2008 – Stream Health Coordinator worked with Eastern Mennonite University senior volunteers to plant 11 trees next to Westover Park. Plantings were on the northeast side of the Blacks Run tributary. Apple, pear, and hazelnut trees planted will increase wildlife habitat and sawtooth oaks planted will create visual barriers between Westover Park and apartment buildings.

November 2008 – Stream Health Coordinator met with James Madison University’s Stream Ecology Class to explain the Purcell Park Stream Restoration project’s benefits in urban and rural settings. The class participated in one-pass electrofishing to see some of the fish species present.

November 2008 – Stream Health Coordinator met with a botanist from Bridgewater College and conducted a walk-along survey of vegetation along Blacks Run in downtown Harrisonburg. 44 different plant species were identified.

During this reporting period, City staff from Public Works Department and Parks & Recreation participated in the 6th Grade Plant-A-Seed (October 2008) and 7th Grade Watershed Experience (May 2009). These field trips during which students are taken out to local streams and rivers to conduct water quality testing, tree identification, and history activities. For many students in the Harrisonburg community, this was their first experience in “nature.” Over 400 total students participated in these fieldtrips.

April 2009 - The Public Works Planner also led pre-school children on a field trip of Purcell Park to explore the Purcell Park Stream Restoration Project. About 20 children participated.

The Public Works Department had an intern working on environmental projects, many of which were related to water quality and stormwater management from August 2008-August 2009. An additional intern worked at the Public Works Department from August 2008 through December 2008 on GIS projects related to the MS4 Program Plan.

The Department of Planning & Community Development had an intern working from August 2008-May 2009 on a variety of GIS related projects, some which were related to the MS4 Program Plan.

Schedule of Activities:

Activity	Schedule
Identify partnership opportunities between the City, local schools, and other organizations for K-12 students	Years 1 through 5
Provide internship positions for students when funds are available	Years 1 through 5
Identify partnership opportunities between college, universities, and the City	Years 1 through 5

2.9 BMP: Blacks Run/ Downtown CleanUp Day

General Description: The City of Harrisonburg will lead efforts to organize the Annual Blacks Run/ Downtown CleanUp Day with participation from other local agencies and citizen volunteers. Clean Up Day consists of stream and street cleaning, streambank planting, and watershed education activities.

Achievements This Year: April 2009 marked the 12th Annual Blacks Run/ Downtown CleanUp Day.

Event Planning Committee members included staff and volunteers from the City of Harrisonburg, Shenandoah Soil & Water Conservation District, Virginia Department of Environmental Quality, and Harrisonburg City Public Schools. Approximately 30 organizations participated in the Green Scene display area, over 400 people volunteered and picked up 6,000 lbs of trash and participated in stream bank maintenance activities.

More information on Clean Up Day can be found on the www.CleanStream.org website.

Schedule of Activities:	Activity	Schedule
	Organize and implement Clean Up Day activities once a year in April	Years 1 through 5
	Provide project and/or internship opportunities to high school and college students as needed, as appropriate	Years 1 through 5
	Form partnerships with local agencies and civic organizations (Clean Up Day committee)	Years 1 through 5

2.10BMP: Household Hazardous Waste Collection & Used Oil Recycling Program

General Description: The City of Harrisonburg makes available Household Hazardous Waste Collection (HHW) Days for City residents. The City of Harrisonburg will provide a used oil recycling program to residents.

Achievements This Year: During this reporting period the City of Harrisonburg expanded its Household Hazardous Collection event from occurring just once a year to 7 times a year – once a month from April through October. Materials collected at HHW collection include oil-based paints, solvents, spent fuel, motor oil, syringes and needles, pesticides, herbicides, lead acid and dry cell batteries, fluorescent tubes, antifreeze, and cleaners.

The City of Harrisonburg continues to collect about 3,000 gallons of used oil each year from residents that participate in the City's used oil recycling program. This oil is filtered and then used to heat the recycling facility and

a nearby shop building.

Additional information on HHW collection and used oil recycling is available at www.harrisonburgva.gov/recycle.

Schedule Activities:	of	<table><tr><th>Activity</th><th>Schedule</th></tr><tr><td>Hold household hazardous waste collection event(s)</td><td>Years 1 through 5</td></tr><tr><td>Continue to collect use oil from residents</td><td>Years 1 through 5</td></tr></table>	Activity	Schedule	Hold household hazardous waste collection event(s)	Years 1 through 5	Continue to collect use oil from residents	Years 1 through 5
	Activity	Schedule						
	Hold household hazardous waste collection event(s)	Years 1 through 5						
Continue to collect use oil from residents	Years 1 through 5							

2.11 BMP: Yard Debris Collection

General Description: The City of Harrisonburg collects grass, brush, hedge trimmings, leaves and other yard debris throughout the year. The City also provides for large leaf collection services during the Fall.

Achievements This Year: The City of Harrisonburg continues to collect grass, brush, hedge trimmings, leaves and yard debris throughout the year and collects large amounts of leaves in the fall to keep debris out of storm drains and waterways.

Information about collection has been made available on the Public Works website, City Span (government TV), and advertised in the local newspaper.

Schedule Activities:	of	<table><tr><th>Activity</th><th>Schedule</th></tr><tr><td>Continue to provide weekly yard debris collection</td><td>Years 1 through 5</td></tr><tr><td>Continue to provide leaf collection for large quantities of leaves in the Fall</td><td>Years 1 through 5</td></tr><tr><td>Continue to advertise these programs through appropriate media</td><td>Years 1 through 5</td></tr></table>	Activity	Schedule	Continue to provide weekly yard debris collection	Years 1 through 5	Continue to provide leaf collection for large quantities of leaves in the Fall	Years 1 through 5	Continue to advertise these programs through appropriate media	Years 1 through 5
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	Continue to provide weekly yard debris collection	Years 1 through 5								
	Continue to provide leaf collection for large quantities of leaves in the Fall	Years 1 through 5								
Continue to advertise these programs through appropriate media	Years 1 through 5									

2.12 BMP: Adopt-A-Street/ Adopt-A-Stream/ Street and Stream Clean Up Activities

General Description: The City of Harrisonburg will continue to advertise opportunities and provide supplies for citizen groups who wish to hold cleanup activities in area streets and streams. City staff will lead some cleanup activities; other activities may be lead by volunteers with assistance from City staff.

Achievements This Year: The City of Harrisonburg has organized the Adopt-A-Street program based on the Virginia Department of Transportation's program for years has had considerable support from citizens each year. Stream cleanup activities are

held throughout the year. Additionally, the Blacks Run/ Downtown CleanUp Day is the City of Harrisonburg's largest clean up event for both the streets and streams.

There are currently 43 organizations registered with the Adopt-A-Street program. Each organization adopts one street segment. See also Section 2.9 BMP: Blacks Run/ Downtown CleanUp Day, for statistics on Blacks Run/ Downtown CleanUp Day.

Stream cleanup activities are held throughout the year with volunteer groups and are led by the Stream Health Coordinator.

**Schedule
Activities:**

of

Activity	Schedule
Advertise and provide supplies for Adopt-A-Street	Years 1 through 5
Advertise and provide supplies for cleanup activities	Years 1 through 5

2.13BMP: Pet Waste Management

**General
Description:**

The City of Harrisonburg will continue to promote, encourage, and educate citizens to properly manage their pet's waste.

**Achievements
This Year:**

The City of Harrisonburg continues to promote and maintain pet waste stations throughout city parks. Additional pet waste stations were purchased this year and installed where needs was identified.

The City also continues to promote the Clean Stream campaign, of which the first phase was "Doodie-Free Harrisonburg." See Section 2.2BMP: Clean Stream Campaign for more information.

**Policies
Procedures:**

and

The pet waste stations are checked and serviced daily by Parks & Recreation staff.

City staff continually identifies opportunities to provide information to citizen groups and at community events.

For additional information regarding the pet waste management campaign "Doodie-Free Harrisonburg" please see Section 2.2BMP: Clean Stream Campaign for more information.

**Schedule
Activities:**

of

Activity	Schedule
Continue servicing pet waste stations in City parks	Years 1 through 5
Continue "Doodie-Free Harrisonburg" campaign	Years 1 through 5

2.14 BMP: Streamside Plantings & Other Community Projects

General Description: The City of Harrisonburg will continue to support and lead efforts to increase vegetative cover and buffers alongside stream banks with the support of citizen volunteers.

Achievements This Year: The City has had long history of supporting stream health activities. Please refer to Section 2.7 BMP: Forming Partnerships for project details, or visit www.cleanstream.org to view detailed information on each project.

Schedule of Activities:

Activity	Schedule
Continue to form partnerships and sponsor streamside planting and other related community projects	Years 1 through 5

3 MCM 3: Illicit Discharge Detection & Elimination

3.1 BMP: Program to Detect and Eliminate Illicit Discharges

General Description: To implement and enforce a program to detect and eliminate illicit discharges into MS4.

Achievements This Year: There were 13 illicit discharge events reported to the Public Works Planner. Of these, 11 were sanitary sewer overflows that were addressed by the Public Utilities Department, reported to and clean up procedures accepted by the Virginia Department of Environmental Quality. The other two events involved wastewater dumping from painting operations in two separate buildings that were being renovated.

The Public Works Department continues to work with staff from other city departments to address illicit discharge problems. Phone numbers to report illicit discharges are advertised on CitySpan (government television), at www.harrisonburgva.gov/stormwater, www.CleanStream.org, and public events.

The Flush Truck Crew continued its maintenance schedule to check and maintain components of the storm sewer system and report notable findings to the Public Works Planner. Generally, reports were related to trash and debris (e.g. TV, chairs, trash cans, soils, etc.) clogged in stormwater pipes, and are not considered illicit discharges.

Schedule of Activities:	Activity	Schedule
	Track Illicit Discharges identified and submit requested information to DCR which each Annual Report	Years 1 through 5
	Continue to advertise phone number to which citizens may report an illicit discharge	Years 1 through 5
	Continue to resolve illicit discharges and connections reported	Years 1 through 5

3.2 BMP: Storm Drain System Map

General Description: The City of Harrisonburg will have the City's MS4 system mapped by Geographic Information Systems (GIS).

Achievements This Year: The City of Harrisonburg completed mapping of Blacks Run and all known outfalls entering Blacks Run using GPS in 2005. City staff has also mapped all public storm drains, and are continuing to map private storm structures.

All new stormwater assets (pipes, drop inlets, facilities, etc) are entered into the City's GIS database when plans are given final approval.

There were no new outfalls added to the city's MS4 during this reporting period.

Schedule of Activities:	Activity	Schedule
	Continue mapping City Storm Drain System	Years 1 through 5
	Update City's Storm Drain System Map	Years 1 through 5
	See related activities for tracking	NA

3.3 BMP: Outfall Reconnaissance Program

General Description: The City of Harrisonburg will develop and implement an outfall reconnaissance program to identify potential sources of pollutants identified in the TMDL's Waste Load Allocations from anthropogenic activities.

Achievements This Year: The City has a record of 587 stormwater outfalls. Included in this total are ditchlines and outfalls into Blacks Run and tributaries. During this reporting period 149 outfalls were inspected by city staff and no illicit discharge issues were found.

Schedule of Activities:	Activity	Schedule
	Begin outfall reconnaissance program	Year 1
	Continue outfall reconnaissance program	Years 2 through 5

3.4 BMP: Spill Response and Prevention

General Description: The purpose of spill response and prevention programs is to reduce the risk of spills and improve response and cleanup when they occur. This program requires the coordination among Fire, Police, Public Works, and other relevant departments. Each City Department shall examine the storage of materials at its facilities and take proper measures to prevent spills.

Achievements This Year: City departments continued to implement programs for proper materials storage, spill prevention, and spill response for operations at their facilities as well as provided employee training. Such programs have been integrated into the department's regular safety meetings and trainings.

Additionally, the Public Works Planner and Stream Health Coordinator gave training presentations to the Public Works and Parks & Recreation Departments with specific focus on the city's MS4 program and related

good housekeeping. Other city departments will be targeted during the next reporting cycle.

The Fire Department continues to oversee the city's HAZMAT response. There were 41 total spill-type incidents that occurred during this reporting cycle. That is, the number of spill so flammable and combustible liquids the HAZMAT team responded to. The database utilized to manage response information is unable to filter if a waterway was directly threatened, however, it can be assumed that all of these incidents could have been a threat to water quality if no response was received.

Schedule Activities:	of	Activity	Schedule
		Continue to implement City Spill Response & Prevention Program in coordination with HAZMAT	Years 1 through 5
		Continue to implement department Spill Response & Prevention programs	Years 1 through 5

3.5 BMP: Sanitary Sewer System Maintenance, Overflow, and Spill Prevention

General Description: The City of Harrisonburg has an aggressive sanitary sewer rehabilitation program, which strives to reduce sewer backups, reduce infiltration and inflow (I&I) and extend the useful life of the sanitary sewer system. This program is generally known as the Inflow & Infiltration Abatement Program (Blacks Run Interceptor Project).

Achievements This Year: The city's Public Utilities Department continues to reduce Inflow & Infiltration through the four phased process described in the MS4 Program Plan.

In response to a sanitary sewer overflow violation/ Consent Order from the Virginia Department of Environmental Quality (letter dated February 6, 2009), the City of Harrisonburg was required to develop a Post Sewage Spill Standard Operating Procedure to detail clean up procedures for sewage spills, with focus on how to address sewage that has entered the storm sewer system, but has not yet entered a waterway. The Stream Health Coordinator, Public Works Planner, Director of Public Utilities, and other Public Utilities staff worked together to develop and submit an SOP to DEQ. The SOP was accepted by DEQ.

Schedule Activities:	of	Activity	Schedule
		Continue to implement Inflow & Infiltration Abatement Program.	Years 1 through 5

3.6 BMP: Septic Systems

Per City Code Sec 7-3-3, the following buildings are required to connect to a city public sewer main: 1) buildings within two hundred (200) feet of the public main, the pipe can be installed without crossing private property of another person, and 3) the owner has been notified in writing by the City that such connections shall be made.

There are few buildings in Harrisonburg known to still be on septic. These buildings are generally located in areas that were previously annexed into the City. The City's Public Utilities Department continues to actively develop opportunities to build sewer mains and extending service to these areas to get these buildings connected. All new developments are required to provide sewer service to all lots and often reserve easements for future extensions to adjacent properties. During this reporting period no new sewer services were extended, however, there are two projects in the city that are currently under development and review and are expected to move forward during the next reporting period.

Additionally, the Shenandoah Valley Soil & Water Conservation District has a cost share program for residents who wish to switch from septic to the City sewer. City staff does inform residents that this program is available. Interested citizens should call the Shenandoah Valley SWCD at (540) 433-2853. The City of Harrisonburg advertises this program's availability on www.CleanStream.org.

3.7 BMP: Biological Monitoring

Monitoring is not required for this permit. However, the City of Harrisonburg's Stream Health Coordinator coordinates stream monitoring projects with local Universities when the opportunity arises and funding is available. During this permitting period, the Stream Health Coordinator worked with a student volunteer, and also with the Bridgewater College Environmental Group to sample fish and invertebrates in Blacks Run.

The Virginia Department of Environmental Quality monitors watershed for fecal coliform. This information can be retrieved from, http://gisweb.deq.virginia.gov/monapp/mon_data_retrieval_app.html# . Up until Fall 2007, DEQ also oversaw a group of citizen volunteers who monitored 10 sites in the Blacks Run and Cooks Creek watersheds. Volunteer water monitoring data can be obtained from <http://vadeq.easi.org/index.php?module=MonitorAnything&func=chngfilter> . Unfortunately, due to funding cuts within the State, there is no longer any funding to keep this volunteer monitoring program going. The DEQ contact for this program is Tara Sieber, TMDL Program Coordinator at the Valley Regional Office.

4 MCM 4: Construction Site Stormwater Runoff Control

4.1 BMP: Ordinance to Require Erosion & Sediment Controls

General Description: The City of Harrisonburg will continue to implement its ordinance, which requires erosion and sediment controls on construction sites that disturb 10,000 square feet or greater.

Achievements This Year: The City continues to enforce its Erosion & Sediment Control Ordinance and program procedures. The Ordinance can be found in Section 10-4 of the City code.

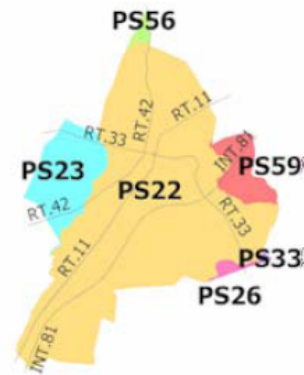
Additionally, during this reporting cycle the Virginia Department of Conservation & Recreation reviewed the city's E&S Program. A letter dated August 6, 2009 from DCR indicated that the city's E&S Program was approved.

The Site Development Technician continues to track regulated land-disturbing activities. A list of tracked activities follows this section.

Schedule of Activities:	Activity	Schedule
	Track regulated land-disturbing activities	Years 1 through 5
	Maintain copies of inspections reports from construction inspections	Years 1 through 5
	Receive and Consider Information submitted by Public	Years 1 through 5
	Update ordinances and other mechanisms, as necessary	Years 1 through 5
	Conduct construction site inspections and enforce violations as outlined in ordinance	Years 1 through 5
	Evaluation	TBD by the Department of Conservation & Recreation

MS4 REPORT
July 1, 2008 to June 30, 2009

The City of Harrisonburg has issued a total of 28 regulated land-disturbing activities totaling 77.691 acres.



Hydrologic Unit PS22 - Blacks Run

Project Name	Acres	Permit Date
Byrider, JD - CNAC Company Store	2	7/9/2008
Campus Corner (E&S MasterPlan)	0.56	7/17/2008
Christophel Properties - Ohio Ave Site	0.35	9/12/2008
Colonnade at Rocktown	2.2	6/10/2009
Dairy Queen (Carlton St.)	0.621	3/9/2009
DBT Technology Center	12.96	10/10/2008
East Market Street Sidewalk & Turn Lane	0.55	2/3/2009
Embankment Area	3.3	3/5/2009
EMU - Oakwood Dormitory - 2008 Rebuild	0.79	10/1/2008
Erickson Avenue Phase 1 E&S	6.75	1/29/2009
Gift & Thrift - Artisans Hope & Credit Union	2.95	8/28/2008
Haidar Rasul Garage	0.52	7/18/2008
Nielsen Builders Water & Sewer Main Exten	0.52	12/5/2008
Overlook at Stone Spring - E&SC Only	22.2	8/13/2008
Port Republic Business Park (E&S Only)	3.52	11/6/2008
Port Republic Rd Business Park Lot 14 E&S	1.69	8/7/2008
Port Republic Road Phase 3	3.8	7/31/2008
Public Utilities Soil Stockpile Project	0.3	12/4/2008

Purcell Park Natural Stream Restoration Proj	5	3/5/2009
Ralph Sampson Park - Phase 1	0.65	2/11/2009
Ray of Hope Pentecostal Church	0.37	7/24/2008
South Main Motors Parking Lot Expansion	0.43	12/23/2008
Tower Street Reservoirs	0.5	3/27/2009
Village at Park View	1.24	12/9/2008

24 projects totaling 73.77 acres disturbed in HUC PS22 - Blacks Run

Hydrologic Unit PS23 - Cooks Creek

Project Name	Acres	Permit Date
Erickson / Brubaker Utilities	1.44	4/6/2009
First Tee	0.7	12/16/2008
Heritage Estates Phase 2	0.98	7/11/2008

3 projects totaling 3.12 acres disturbed in HUC PS23 - Cooks Creek

Hydrologic Unit PS56 - Linville Creek

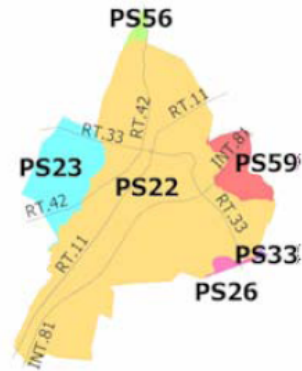
Project Name	Acres	Permit Date
Monger, JM: Harmony 123	0.8	6/29/2009

1 projects totaling 0.8 acres disturbed in HUC PS56 - Linville Creek

MS4 REPORT

Active Regulated Land-Disturbing Activities

The City of Harrisonburg currently has 56 regulated land-disturbing activities totaling 359.58 acres.



Hydrologic Unit PS22 - Blacks Run					
Project Name	Acres	Permit Date			
Affordable Self Storage - Mt Clinton Self Stor	1.5	1/13/2005	Forbes Commercial Park - E&S Plan (Lot 79	2.77	10/17/2003
Ariake Expansion (E&S Only)	9	8/28/2007	Gift & Thrift - Artisans Hope & Credit Union	2.95	8/28/2008
Beacon Hill Section 4 - 6	10.2	1/17/2006	Graddison LLC	1.5	9/30/2003
Blakely Park	1.31	2/11/2008	Green Spring Subd. Sec 2 Phase 1&2 & E&	10.36	6/28/2001
Brookside Park	6.66	4/13/2006	Hillmont Apartments	15.73	4/9/2007
Campus View Condominiums	12.9	1/16/2008	Lady Slipper Court	0.77	6/12/2008
Chatham Square	10.08	10/17/2007	Lot 8, BRIP 2, Section Two Erosion Control	0.97	8/11/2009
Christophel Properties - Ohio Ave Site	0.35	9/12/2008	Massanutten Technical Center Classroom A	0.16	8/20/2009
Colonnade at Rocktown	2.2	6/10/2009	Meadow Pointe	16.5	4/18/2001
Copper Beech Apartments (E&S)	49.81	8/8/2007	Millwood Condos	6.15	12/21/2005
Dairy Queen (Carlton St.)	0.621	3/9/2009	Muhlenberg Lutheran Church Gathering Are	0.2	6/5/2008
DBT Technology Center	12.96	10/10/2008	Overlook at Stone Spring - E&SC Only	22.2	8/13/2008
East Kaylor Park Dr. (formerly South Harriso	1.5	11/19/2002	Plecker Property / Flagstone (E&S)	9.45	4/17/2008
East Market Street Sidewalk & Turn Lane	0.55	2/3/2009	Port Republic Business Park (E&S Only)	3.52	11/6/2008
Embankment Area	3.3	3/5/2009	Port Republic Road Phase 3	3.8	7/31/2008
EMU - Oakwood Dormitory - 2008 Rebuild	0.79	10/1/2008	Public Utilities Soil Stockpile Project	0.3	12/4/2008
Erickson Avenue Phase 1 E&S	6.75	1/29/2009	Purcell Park Natural Stream Restoration Proj	5	3/5/2009
Fairfield Inn - Medical Avenue	1.5	7/21/2009	Purple and Gold Townhomes (E&S)	14.14	2/22/2007
			Residences/Shoppes at 865 East (E&S)	5.45	3/25/2008
			Shenk Subdivision (Parkhill Subd) E&S	10	11/28/2007

Dated: August 28, 2009

Shickel Subdivision, Section 4 Lot 3 (E&S O	4.64	4/27/2005
Shops at University Blvd. (formerly Qreitem)	1.42	1/29/2008
South Main Motors Parking Lot Expansion	0.43	12/23/2008
Tower Street Reservoirs	0.5	3/27/2009
Townes at Bluestone	6.22	7/25/2006
Urban Exchange (E&S) 237 E. Market St.	2.43	1/24/2008
Village at Park View	1.24	12/9/2008
Walker 2006 Plant Addition	6.83	4/14/2006
Willow Hills Subdivision	9	3/28/2005
47 projects totaling 296.6 acres disturbed in HUC PS22 - Blacks Run		

Hydrologic Unit PS23 - Cooks Creek

Project Name	Acres	Permit Date
Erickson / Brubaker Utilities	1.44	4/6/2009
Heritage Estates (Phase 1 & 2 E&S)	9.22	5/2/2005
Heritage Estates Phase 3	3.17	1/18/2007
Sunset Heights Holmes Addition - E&S Only	7	5/1/2006
West Market Fitness Center	2.555	3/13/2008
5 projects totaling 23.39 acres disturbed in HUC PS23 - Cooks Creek		

Hydrologic Unit PS56 - Linville Creek

Project Name	Acres	Permit Date
Monger, JM: Harmony 123	0.8	6/29/2009
1 projects totaling 0.8 acres disturbed in HUC PS56 - Linville Creek		

Hydrologic Unit PS59 - Dry Fork

Project Name	Acres	Permit Date
Founders Way Condos (E&S)	5.78	10/31/2007
Liberty Square Section 2	19	1/11/2006
Old Furnace Manor (Townes @ Wellington)	14	7/25/2006
3 projects totaling 38.78 acres disturbed in HUC PS59 - Dry Fork		

4.2 BMP: Design and Construction Standards Manual

General Description:

The City's Design and Construction Standards Manual (DCSM) establishes standards for the design and construction of facilities intended to be publicly accepted as a portion of subdivision or development plans within the limits of the City of Harrisonburg.

Achievements This Year:

Construction plans for water supply, fire protection, sanitary sewer, storm drainage, erosion and sediment control, stormwater management, streets, bridges, and other related items shall conform to the standards of the DCSM. The DCSM can be accessed online at <http://www.harrisonburgva.gov/dcsn>.

The DCSM was last updated and adopted by City Council on September 8, 2009.

Schedule of Activities:

Activity	Schedule
Receive public comments and	Years 1 through 5

recommendations	
Review DCSM annually and make recommendations to City Council as needed	Years 1 through 5

4.3 BMP: Require VSMP Permit for Construction Activities

**General
Description:**

The City requires construction site operators to secure authorization to discharge stormwater from construction activities under a VSMP permit for construction activities that result in land disturbance greater than or equal to one acre. This includes construction activity disturbing less than one acre if that construction activity is part of a larger common plan of development that would disturb one acre or more.

**Achievements
This Year:**

The City Engineer's office continues to requires proof of a VSMP permit prior to issuing a land disturbing permit. A list of land disturbing activities and permits issued during this reporting cycle was provided in Section 4.1 BMP: Ordinance to Require Erosion & Sediment Controls.

Records of the certification statement are maintained by the City Engineer and his staff. Records of site plans, review, inspections and enforcement are maintained by the DCR.

**Schedule
Activities:**

Activity	Schedule
Require certification of secured VSMP permit	Years 1 through 5

5 MCM 5: Post-Construction Stormwater Management in New Development & Redevelopment

5.1 BMP: Ordinance to Address Post-Construction Runoff

General Description: The City of Harrisonburg will establish an ordinance to address post-construction runoff from new development and redevelopment projects to ensure compliance with the Virginia Stormwater Management Act and attendant regulations.

Achievements This Year: In July 2007, DCR's MS4 Permit Manager provided the City of Harrisonburg with a temporary alternative mechanism that does not require the passage of a new stormwater management ordinance, pending the adoption of new state regulations. In a letter dated August 13, 2009, the City of Harrisonburg notified the MS4 Permit Manager that the alternative mechanisms were in place. They included:

- Assurance that land disturbing activities listed under MCM #5 obtain coverage under the VSMP permitting program prior to actual land disturbing activities
- Certification by the project owner that water quality is addressed in the SWPP.
- A long-term maintenance agreement for post development BMP
- Tracking per general permit requirements if a post development BMP is in the Chesapeake Bay Watershed.

Schedule of Activities:	Activity	Schedule
	Establish a Stormwater Management Ordinance that meets new State requirements	Within 18 months of State Regulation is finalized
	Receive and Consider Information Submitted by Public	Years 1 through 5
	Update ordinances and other mechanisms, as necessary	Years 1 through 5

5.2 BMP: Ensure Adequate Long-Term Maintenance of Stormwater Management Facilities

General Description: The City will ensure long-term operation and maintenance by owners of stormwater management facilities that contribute to water quality through a Stormwater Management Facility/ BMP Maintenance Agreement.

Achievements This Year: The City continues to maintain the policies and procedures outlined in the MS4 Program Plan regarding post-construct maintenance schedules and required Stormwater Management/ BMP Facilities Maintenance Agreement.

During this reporting period, the Public Works Department inspected 3 city owned detention basins and 5 hydrodynamic separators that were installed in 2008 on a new road improvement project.

No new private BMP facilities have been brought online since the adoption of the city's new stormwater facilities requirements (alternative to adopting a stormwater ordinance). Therefore, no private facilities have required a BMP Maintenance Agreement or been inspected to date.

**Schedule
Activities:**

of

Activity	Schedule
Continue operations and explore opportunities for improvement	Years 1 through 5

5.3 BMP: Track All Known Permanent Stormwater Management Facilities

**General
Description:**

The City will track all known permanent stormwater management facilities that discharge to the regulated small MS4.

**Achievements
This Year:**

The City's Engineering Division of the Department of Planning & Community Development is responsible for tracking all new permanent stormwater management facilities that discharge to the regulated small MS4. The Engineering Division utilizes a database to track the information and submit it for the MS4 Program Annual Report. Although no new permanent stormwater management facilities have been brought online since the adoption of the new stormwater management/maintenance agreement requirements, it is expected that the information collected also be utilized to oversee adequate long-term maintenance of stormwater management facilities.

The Public Works Department will be responsible for identifying and tracking existing stormwater management facilities. The Public Works Planner has begun and continues to identifying city-owned/public BMPs. To date there have been 17 facilities identified.

For all known and new BMPs, the following information is required per the city's' DCSM on the site plans and will be tracked in a city database:

- Type of structural stormwater management facility installed as defined in the Virginia Stormwater Management Handbook
- Geographic location (HUC)
- Where applicable, the impaired surface water that the stormwater management facility is discharging into, and
- Number of acres treated

Following this section is a copy of known stormwater facilities. The requested excel spreadsheet is enclosed on CD-ROM with this report.

**Schedule
Activities:**

of

Activity	Schedule
Track all new stormwater management facilities that require a maintenance agreement per new requirements	Years 1 through 5
Develop a list of all known city-owned facilities	Year 1
Inspect and verify details regarding city-owned SW facilities	Year 1 through 3

Known BMPs	MS4 Permit Year 1	Permit No. VAR040999	City of Harrisonburg, VA	
Address	BMP Type	HUC	Impaired Water	Acres Treated
W Market St	Detention Basin	B26	Blacks Run	
W Market St	Detention Basin	B26	Blacks Run	
305 Dogwood Dr	Detention Basin	B26	Blacks Run	
1001 Garbers Church Rd		B25	Cooks Creek	
1575 Peach Grove Ave		B25	Blacks Run	
901 Chicago Ave		B26	Blacks Run	
1542 Smithland Rd		B47	Dry Fork	
Linda Lane	First Defense	B47	Dry Fork	0.51
Linda Lane	Downstream Defender	B47	Dry Fork	1.9
Linda Lane	First Defense	B47	Dry Fork	0.57
Linda Lane	First Defense	B47	Dry Fork	0.26
Linda Lane	Downstream Defender	B47	Dry Fork	1.19
470-474 Linda Lane	Detention Basin	B47	Dry Fork	
Turner Ashby Lane	Stormceptor	B26	Blacks Run	
Neff Avenue		B26	Blacks Run	
Port Republic Road	Downstream Defender	B26	Blacks Run	
Port Republic Road	Downstream Defender	B26	Blacks Run	

Dated: September 20, 2009.

The requested excel spreadsheet is enclosed on CD-ROM with this report.

MCM 6: Pollution Prevention/ Good Housekeeping for Municipal Operations

5.4 BMP: Public Facilities Operation & Maintenance

5.4.1 Training City Staff on Stormwater Pollution

General Description: The City of Harrisonburg and its departments will develop and implement training programs on the impacts of stormwater pollution on our local waterways and how municipal operations might impact stormwater quality.

Achievements This Year: In addition to regular training staff receives on good housekeeping and pollution control measures, during this reporting period the Public Works Planner and Stream Health Coordinator presented specific information on local water quality issues and showed a viewing of “Municipal Storm Water: Pollution Prevention, Storm Watch, Everyday Best Management Practices” to Public Works and Parks & Recreation Department staff.

Other city departments (e.g. Police Department, Public Transit) will be given a presentation in future years.

Schedule of Activities:

Activity	Schedule
Continue Pollution Prevention, Good Housekeeping, and Safety Trainings monthly or annually as determined by each department.	Years 1 through 5
Conduct stormwater specific training for each City department at least once during the permit cycle	Years 1 through 5

5.4.2 Fuel/ Oil Storage Maintenance & Waste Oil Heating Systems

General Description: The City will maintain all fuel and oil storage areas in accordance with current standards. The City also uses waste oil heating systems to supplement central oil heating systems.

Achievements This Year: Public Works continues to collect and utilize about 3,000 gallons of waste oil from its residential collection program. Another 3,500 gallons of oil is collected from Public Transit operations. All of this oil is used to heat buildings at the Public Works and Public Transit departments.

Please refer to MS4 Program Plan for additional information.

Schedule of Activities:

Activity	Schedule
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Continue operations and explore opportunities for improvement	Years 1 through 5
Continue training staff on proper fueling procedures and fuel storage	Years 1 through 5

5.4.3 Maintain Current Fleet Wash Operations

General Description: City fleet vehicles primarily utilize the car/bus wash located at the Public Transit Department. Two additional facilities are available at Mosby Road and the Heritage Golf Course maintenance facility.

Achievements This Year: The Heritage Oaks Golf Course maintenance facility's wash bay was identified during the site evaluation completed during this reporting cycle.

Continued program as described in MS4 Program Plan.

Schedule of Activities:	Activity	Schedule
	Continue operations and explore opportunities for improvement	Years 1 through 5

5.4.4 Parks Operation & Maintenance

General Description: The City shall continue to maintain City Parks and encourage citizens to prevent pollutants and litter from entering the City's storm drain system and receiving waters.

Achievements This Year: Continued program as described in MS4 Program Plan.

Schedule of Activities:	Activity	Schedule
	Continue operations and explore opportunities for improvement	Years 1 through 5

5.4.5 Maintenance of Public Swimming Pool

General Description: The public swimming pool located at Westover Park is maintained by the Parks & Recreation Department.

Past & Ongoing Achievements: Continued program as described in MS4 Program Plan.

Schedule of Activities:	Activity	Schedule
	Continue operations and explore opportunities for improvement	Years 1 through 5

5.4.6 Vegetation in City Parks & Properties

General Description: The City shall continue to pursue alternative landscaping such as streamside buffers, reduced mowing frequency, and use of raingardens to improve the quality of stormwater runoff from City properties.

Achievements This Year: Continued program as described in MS4 Program Plan. Also see projects completed during this reporting period identified in Section 2.7 BMP: Forming Partnerships and at www.CleanStream.org.

Schedule of Activities:	Activity	Schedule
	Continue operations and explore opportunities for improvement	Years 1 through 5

5.4.7 Pesticide, Herbicide, and Fertilizer Application & Management

General Description: City staff that applies pesticides, herbicides and fertilizers on public right-of-ways or City owned and operated facilities are properly trained and certified.

Achievements This Year: Continued program as described in MS4 Program Plan.

During this reporting period, the Heritage Oaks Golf Course developed a Nutrient Management Plan, which was submitted to DCR.

Schedule of Activities:	Activity	Schedule
	Continue operations and explore opportunities for improvement	Years 1 through 5

5.4.8 Evaluate All Properties Owned/Operated

General Description: The City shall evaluate all properties owned or operated by the City that are not covered under a separate VPDES permit for potential sources of pollutants identified in TMDLs.

Achievements This year: The Public Works Planner will work with representatives from each department to evaluate properties owned and operated by the City of Harrisonburg for potential pollutants identified within TMDLs. Per 4VAC50-60-1240, Section I.B.6, within three years City staff shall have conducted a site review and characterization of runoff for properties where staff have determined that the pollutants identified in TMDLs is currently stored, or has been transferred, transported or historically disposed of in a manner that would expose it to precipitation.

See 4VAC50-60-1240, Section I.B.6 for detailed schedule of procedures.

During this reporting period the Public Works Planner has evaluated the Public Works facility at 320 E Mosby Road and Heritage Oaks Golf Course Maintenance facility managed by Parks & Recreation. It was determined that neither the Public Works facility or the Heritage Oaks Maintenance facility has stored any pollutant identified in the WLA for the watershed (fecal or sediment).

Other city owned properties will be evaluated during the next two years as outlined in the MS4 Program Plan.

The Stream Health Coordinator works with city property managers and provides guidance on invasive species management.

Schedule Activities:	of	Activity	Schedule
		Have completed site reviews and characterization of runoff per Policies & Procedures	Year 3

5.5 BMP: Stormwater Infrastructure Operation & Maintenance

5.5.1 Storm Drain Cleaning/ Inspection Program

General Description: The City will maintain and promote an unobstructed storm drain system and prevent sediment from entering the stream to the maximum extent practicable.

Achievements This Year: Continued program as described in MS4 Program Plan.

Schedule Activities:	of	Activity	Schedule
		Continue operations and explore opportunities for improvement	Years 1 through 5

5.6 BMP: Public Streets Operation & Maintenance

5.6.1 Street Sweeping Program

General Description: Streets, roads, highways and parking lots accumulate significant amounts of pollutants that contribute to stormwater pollutant runoff to surface waters. The City will minimize pollutants, including sediment, debris, trash, road salt, and trace metals, from entering surface waters by maintaining a street sweeping program.

Achievements This Year: Continued program as described in MS4 Program Plan.

Schedule Activities:	of	Activity	Schedule
		Continue operations and explore opportunities for improvement	Years 1 through 5

5.6.2 Salt/Sand Storage and Use

General Description: Salt and sand are applied to City roadways to reduce the amount of ice during winter storm events. City staff shall maintain equipment and be trained to properly store and use road salt and sand.

Achievements This Year: Continued program as described in MS4 Program Plan.

Schedule Activities:	of	Activity	Schedule
		Continue operations and explore opportunities for improvement	Years 1 through 5

6 Persons Responsible for Coordinating Small MS4 Stormwater Management Program

The persons responsible for implementing parts of the small MS4 stormwater management program and their contact information are listed within the previous sections describing BMPs.

Following is a list of primary contact persons for coordinating and implementing the program. These names will be updated as necessary and included as part of the annual report.

Principle Executive Officer:

Title: City Manager
Name: Kurt Hodgen
Address: 345 South Main Street
Harrisonburg, Virginia 22801
Phone: (540) 432-7701
Email: kurth@harrisonburgva.gov

Duly Authorized Representatives

Title: Public Works Planner **Staff Contact **
Name: Thanh Dang
Address: 320 East Mosby Road
Harrisonburg, Virginia 22801
Phone: (540) 434-5928
Email: thanhd@harrisonburgva.gov

Title: Department of Public Works Director
Name: James Baker
Address: 320 East Mosby Road
Harrisonburg, Virginia 22801
Phone: (540) 434-5928
Email: jimb@harrisonburgva.gov

7 Signed Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 

Printed name: Kurt Hodgen

Date: September 30, 2009